

HighPoint RA7608AW-A32T0-0F Compatibility List

2025/8/14

This document was designed to serve as general reference for compatibility between the HighPoint RA7608AW-A32T0-0F and specific motherboards/SSDs described herein.

The motherboards included in this document are recommended for HighPoint RA7608AW-A32T0-0F x16 PCIE 5.0 configurations. Specific motherboards may have special requirements or restrictions. Please refer to the motherboard's PCIe Expansion slot settings.

Note: *Bifurcation is not required. HighPoint RA7608AW-A32T0-0F can be used with "Non-Bifurcation" motherboards.*

Motherboard Compatibility List

Note: The recommended PCIe slot we filled in are based on the description of the motherboard manual.

Manufacture	Product Name	Chipset/CPU Mode	Recommended PCIe slot #	Data RAID support	Boot RAID support
ASUS	PRIME X670-P WIFI	AMD X670	PCIEX16_1(gen5)	✓	✓
ASUS	ASUS ProArt X670E-CREATOR WIFI	AMD X670	PXIEX16_1, PCIEX16_2, PCIEX16_3	✓	✓
ASRock	ROMED8-2T	AMD EPYC 7002/7003 Series	PCIEX16_1, PCIEX16_2, PCIEX16_3, PCIEX16_4, PCIEX16_5, PCIEX16_6, PCIEX16_7	✓	✓
ASUS	Pro WS WRX80E-SAGE SE WIFI	AMD WRX80	PCIEX16_1, PCIEX16_2, PCIEX16_3, PCIEX16_4, PCIEX16_5, PCIEX16_6, PCIEX16_7	✓	✓
ASUS	PRO WS WRX90E-SAGE SE	AMD WRX90	PCIEX16_1, PCIEX16_2, PCIEX16_3, PCIEX16_4, PCIEX16_5, PCIEX16_6, PCIEX16_7	✓	✓
Supermicro	X11DPI-NT	Intel C622	CPU1 Slot2 PCI-E 3.0X16 CPU2 Slot4 PCI-E 3.0X16 CPU2 Slot5 PCI-E 3.0X16 CPU2 Slot6 PCI-E 3.0X16	✓	✓
Supermicro	X12DPi-N6	Intel C621A	CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU2 SLOT4 PCI-E 4.0 x16 CPU2 SLOT5 PCI-E 4.0 x16	✓	✓
Supermicro	X12DPi-NT6	Intel C621A	CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU2 SLOT4 PCI-E 4.0 x16 CPU2 SLOT5 PCI-E 4.0 x16	✓	✓
Supermicro	X12DPL-i6	Intel C621A	CPU2 SLOT1 PCI-E 4.0 x16 CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU1 SLOT4 PCI-E 4.0 x16	✓	✓
Supermicro	X12DPL-NT6	Intel C621A	CPU2 SLOT1 PCI-E 4.0 x16 CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU1 SLOT4 PCI-E 4.0 x16	✓	✓
Supermicro	X12DAI-N6	Intel C621A	CPU1 SLOT1 PCI-E 4.0 x16 CPU2 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU2 SLOT4 PCI-E 4.0 x16 CPU1 SLOT5 PCI-E 4.0 x16	✓	✓
Supermicro	X12-SPL-F	Intel C621A	CPU1 SLOT6 PCI-E 4.0 x16	✓	✓
Supermicro	H12SSL-i	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16 CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16	✓	✓
Supermicro	H12DSG-O	AMD EPYC 7002/7003 Series	1X PCIEX16_1 via Riser slot	✓	✓
Supermicro	H12DSi-NT6	AMD EPYC 7002/7003 Series	CPU SLOT2 PCI-E 4.0 x16 CPU SLOT4 PCI-E 4.0 x16 CPU SLOT6 PCI-E 4.0 x16	✓	✓
Supermicro	H12DSU-iN	AMD EPYC 7002/7003 Series	1X PCIEX16_1 via Riser slot 1X PCIEX16_2 via Riser slot	✓	✓
Supermicro	H12SSW-NT	AMD EPYC 7002/7003 Series	1X PCIEX16_1 via Riser slot 1X PCIEX16_2 via Riser slot	✓	✓
Supermicro	H12SSL-NT	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16 CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16	✓	✓
Supermicro	H12SSL-C	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16	✓	✓

			CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16		
Supermicro	H12SSL-CT	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16 CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16	✓	✓
Supermicro	SYS-2025HS-TNR	AMD EPYC 9004 Series	SLOT1, SLOT3, SLOT5, SLOT7	✓	✓
Supermicro	H13DSH	AMD EPYC 9004 Series	JPCIE1 x16, JPCIE2 x16	✓	✓
Supermicro	SYS-741GE-TNRT	Intel C741	P1 SLOT2, P1 SLOT4, P2 SLOT5, P2 SLOT7, P2 SLOT9, P2 SLOT10 P2 SLOT11	✓	✓
Supermicro	X13SEI-TF	Intel C741	CPU SLOT4 PCIe 5.0 x16 CPU SLOT6 PCIe 5.0 x16	✓	✓
Dell	Precision 7920 Tower Workstation	Intel C621	PCIe3x16 75W (slot2) PCIe3x16 75W (slot4)	✓	✓
Dell	Precision 7960 Tower Workstation	Intel W790	SLOT1 PCIe5 x16 SLOT4 PCIe4 x16 SLOT5 PCIe5 x16 SLOT8 PCIe4 x16	✓	✓
GIGABYTE	Z790M AORUS ELITE AX	Intel Z790	PCIEX16	✓	✓
ASRock	Z790 PG Lightning- PCIe5.0	Intel Z790	PCIE1	✓	✓
HP	Z6 G5 A	AMD Pro 695	SLOT 1:PCIe Gen5 x16 SLOT 2:PCIe Gen5 x16 SLOT 4:PCIe Gen5 x16 SLOT 5:PCIe Gen5 x16 SLOT 6:PCIe Gen5 x16	✓	✓
ASUS	MAXIMUS Z790 DARK HERO	Intel Z790	PCIEX16(G5)_1	✓	✓
ASUS	Pro WS TRX50-SAGE WIFI	AMD TRX50	PCIEX16(G5)_1 PCIEX16(G5)_2 PCIEX16(G4)_2	✓	✓
ASRock	WRX90 WS EVO	AMD WRX90	PCIE1 PCIE2 PCIE3 PCIE4 PCIE5 PCIE7	✓	✓
ASUS	Pro WS W790E-SAGE SE	Intel W790	PCIE X16(G5) _1 PCIE X16(G5) _2 PCIE X16(G5) _3 PCIE X16(G5) _4 PCIE X16(G5) _5 PCIE X16(G5) _7	✓	✓
ASUS	Prime X870-P WiFi	AMD X870	PCIEX16(G5)	✓	✓

If you have any questions about compatibility, please contact us at Sales@highpoint-tech.com